

### ABSTRACT

The present invention is directed to a method of reducing intraocular pressure. The method comprises administering to a subject a pharmaceutical composition comprising an effective amount of a nucleoside 5'-pyrophosphate pyranoside or analogue, which is defined  
5 by general Formula I. The method of the present invention is useful in the treatment or prevention of ocular hypertension, such as found in glaucoma, including primary and secondary glaucoma. The method can be used alone to reduce intraocular pressure. The method can also be used in conjunction with another therapeutic agent or adjunctive therapy commonly used to treat glaucoma to enhance the therapeutic effect of reducing the intraocular  
10 pressure. The present invention also provides a novel composition comprising a nucleoside 5'-pyrophosphate pyranoside or analogues.